

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : BOX PATENT APPLICATION
Joerg DIETRICH : Examiner: Unassigned
Serial No.: Unassigned : Group Art Unit: Unassigned
Filed: May 9, 2001 :
For: PLATE HEAT EXCHANGER

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, Applicants wish to amend the above-identified application as indicated below:

IN THE CLAIMS

Please amend the claims as follows:

Please cancel claims 1-7 without prejudice or disclaimer.

Please add the following claims:

-- 8. A plate heat exchanger block comprising a housing, at least partly within said housing a plurality of sheets (2) of at least partially corrugated metal arranged parallel to one another, forming a plurality of heat-exchange passages, at least one header (3) in communication with at least some of the heat-exchange passages, wherein at least two parts (1, 2, 3) of the plate heat exchanger consist essentially of metallic materials that cannot be welded to one another.

9. A plate heat exchanger according to claim 8, wherein two parts (1, 2, 3) are connected integrally together.

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10. A plate heat exchanger according to claim 9, further comprising an intermediate piece (5) comprising at least two different metals or metal alloys (6, 7) connecting the two non-weldable parts to each other.

11. A plate heat exchanger according to claim 10, wherein the intermediate piece (5) is produced by explosive plating.

12. A plate heat exchanger according to claim 8, wherein sheets (2) consist essentially of aluminum.

13. A plate heat exchanger according to claim 8, wherein header (3) consists essentially of steel.

14. A plate heat exchanger according to claim 10, wherein the intermediate piece (5) contains aluminum on one side and steel on the other side.

15. A plate heat exchanger according to claim 14, wherein the sheets (2) consist essentially of aluminum and the header (3) consists essentially of steel, wherein the intermediate piece is welded, steel-to-steel, to the header and the intermediate piece is welded, aluminum-to-aluminum, to at least one of (a) the housing and (b) the corrugated sheets.

16. A combination of a heat exchange header consisting essentially of steel and a connecting piece consisting essentially of steel on one side and consisting essentially of aluminum on the other side, said header being welded to the steel side of said connecting piece.


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REMARKS

New claims 8-14 substantially mirror original claims 1-7, but to facilitate examination and save fees, none of the claims is multiply dependent. New claims 15-16 are directed to preferred aspects of the original claims. In any case, Applicants reserve the right to reintroduce claims to canceled combined subject matter.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "**Version With Markings To Show Changes Made**".

Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

Claims 1-7 have been deleted.

Claims 8-16 have been added.